

## EAST Search History

| Ref # | Hits | Search Query   | DBs  | Default Operator | Plurals | Time Stamp       |
|-------|------|--|--|------------------|---------|------------------|
| S1    | 3    | "10800406"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/04/18 09:28 |
| S2    | 4    | "10/800406"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/04/17 11:55 |
| S3    | 344  | 398/152.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/04/17 14:34 |
| S4    | 540  | 398/141.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/04/17 17:48 |
| S5    | 1    | 10/475111  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/04/17 19:38 |
| S6    | 2    | (fiber with loop) NEAR (couple\$3 with light) With (two adj counter with propagat\$ with wave) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/04/17 19:42 |
| S7    | 35   | "4687330"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR               | ON      | 2007/04/17 19:42 |

## EAST Search History

|     |        |   |  |    |     |                  |
|-----|--------|---|--|----|-----|------------------|
| S8  | 1      | ("4687330").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/17 19:44 |
| S9  | 1      | ("6370289").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/17 19:44 |
| S10 | 1      | ("6370289").PN.   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/18 10:08 |
| S11 | 0      | ("(Counter-propagat\$3WITHwave)NEA<br>R2(fiberWithloopandpolarizat\$3adjdev<br>icewithscrambleranddetectorandDSPOr<br>signalgeneratororcontrol)").PN.                                   | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/18 10:12 |
| S12 | 354795 | (counter-propagation with fiber ADJ<br>loop or ring and polariz\$4 with<br>scrambler and detector with circuit<br>with DSP or processor with control<br>maximum and minimum with power) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/18 10:15 |
| S13 | 0      | S12 AND (counter-propagation with<br>tun\$5 with filter)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/18 10:17 |
| S14 | 1      | S12 AND (counter-propagation with<br>filter)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/18 10:17 |
| S15 | 1522   | S12 AND (tunable with filter)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/18 10:18 |
| S16 | 1517   | S15 AND (loop with polariz\$4 with<br>scrambler with detector with circuit<br>OR DSP or digital signal processor with<br>maximum and minimum power)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/18 10:20 |

## EAST Search History

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|-----|-----|--|--|----|----|------------------|
| S17 | 536 | S15 AND (control with unit)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 10:37 |
| S18 | 365 | S17 AND (fiber adj loop or ring and polariz\$3 with scrambler with detector with processor with tunable with filter with maximum and minimum power with control unit and WDM ) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 10:29 |
| S19 | 1   | S17 AND (counter-propagation)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 12:53 |
| S20 | 69  | S17 AND (scrambler )   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 10:33 |
| S21 | 81  | S15 AND (scrambler)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 10:37 |
| S22 | 422 | S16 AND (counter- propagation with loop and scrambler and detector and control\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 13:03 |
| S23 | 21  | "4634282"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 11:45 |

## EAST Search History

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|-----|----|-----------|--|----|----|------------------|
| S24 | 4  | 10/800406 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 11:49 |
| S25 | 5  | "5153676" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 11:54 |
| S26 | 28 | "307095"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 12:41 |
| S27 | 16 | "6370289" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 12:51 |
| S28 | 16 | "6370289" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 12:53 |
| S29 | 20 | "5255274" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 12:53 |
| S30 | 20 | "5255274" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 12:53 |

## EAST Search History

|     |        |  |  |    |     |                  |
|-----|--------|--|--|----|-----|------------------|
| S31 | 422    | S22 AND (counter- propagation with loop and scrambler )        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/18 13:01 |
| S32 | 26     | S31 AND ( scrambler )  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/18 13:01 |
| S33 | 13     | S16 AND (polarization with scrambler and tunable near2 filter) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/18 13:31 |
| S34 | 4      | 10/800406  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/18 13:34 |
| S35 | 3      | 2003/0035120   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/18 13:35 |
| S36 | 1      | ("20030035120").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/18 13:44 |
| S37 | 1      | ("5153676").PN.  | US-PGPUB;<br>USPAT   | OR | OFF | 2007/04/18 13:45 |
| S38 | 149512 | "515"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON  | 2007/04/18 13:45 |

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|     |         |   |  |    |    |                  |
|-----|---------|---|--|----|----|------------------|
| S39 | 5       | "5153676"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 15:52 |
| S40 | 5       | "5153676"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 17:10 |
| S41 | 2       | "20030035120"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 17:38 |
| S42 | 8277101 | (source OR input with light with polariz\$4 with scrambler NEAR1 polarizer and detector and control unit) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 17:40 |
| S43 | 10      | S42 AND (polarization adj scrambler with polarizer and detector and control)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 17:47 |
| S44 | 8681    | S42 AND ( polarizer and detector and control)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 17:48 |
| S45 | 8681    | S44 AND ( polarizer and detector and control)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 17:49 |

## EAST Search History

|     |      |  |  |    |    |                  |
|-----|------|--|--|----|----|------------------|
| S46 | 7761 | S44 AND ( polarizer and detector and control with degree with polarization or signal to noise with ratio)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 17:50 |
| S47 | 1882 | S44 AND ( polarizer and detector and control with degree with polarization or signal with noise with ratio)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 18:09 |
| S48 | 155  | S47 AND ( polarizer and detector and control with degree with polarization or signal with noise with ratio AND maximum and minimum with power AND WDM) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 18:01 |
| S49 | 0    | (optical ADJ monitor\$3) NEAR2 (polariz\$5 adj scramb\$3 NEAR polarizer and detector)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 18:03 |
| S50 | 5    | (polariz\$5 adj scramb\$3 NEAR polarizer and detector)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 18:03 |
| S51 | 8681 | S44 AND ( polarizer and detector )   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 18:28 |
| S52 | 26   | "5076696"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 18:31 |

## EAST Search History

|     |         |   |  |    |    |                  |
|-----|---------|---|--|----|----|------------------|
| S53 | 2691921 | monito\$3 with device with polariz\$3 with Scrambler with polarizer and detector with control with signal and noise ratio                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 18:33 |
| S54 | 2360    | S53 AND (Tunable with optical with filter)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 18:34 |
| S55 | 49      | S54 AND (polarizer and control with Tunable with optical with filter)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:06 |
| S56 | 0       | (optical with monitor\$3 with system) NEAR2 (device Same polariz\$3 with scrambler with control\$3 NEAR1 polarizer near1 detector near control with unit) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:09 |
| S57 | 0       | (optical with monitor\$3 ) NEAR2 (device Same polariz\$3 with scrambler with control\$3 NEAR1 polarizer near1 detector near control with unit)            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:10 |
| S58 | 0       | (device Same polariz\$3 with scrambler with control\$3 NEAR1 polarizer near1 detector near control with unit)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:10 |
| S59 | 0       | ( polariz\$3 with scrambler with control\$3 NEAR1 polarizer near1 detector near control with unit)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:10 |

## EAST Search History

|     |       |  |  |    |    |                  |
|-----|-------|--|--|----|----|------------------|
| S60 | 0     | (scrambler with control\$3 NEAR1 polarizer near1 detector near control )                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:10 |
| S61 | 17376 | (optical with monitor\$3 with device)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:11 |
| S62 | 17545 | S61 (polarizer with detector with control)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:12 |
| S63 | 25446 | S61 (scrambler polarizer with detector with control)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:12 |
| S64 | 17376 | S61 (scrambler adj polarizer with detector with control)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:12 |
| S65 | 0     | S61 AND (scrambler adj polarizer with detector with control)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:12 |
| S66 | 0     | S61 AND ( polarization adj scrambler with transmit with beam with detector with control) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:14 |

## EAST Search History

|     |    |  |  |    |    |                  |
|-----|----|--|--|----|----|------------------|
| S67 | 1  | S61 AND ( polarization adj scrambler with beam with detector with control) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:14 |
| S68 | 11 | S61 AND ( polarization adj scrambler with control)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:15 |
| S69 | 11 | S64 AND ( polarization adj scrambler with control)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:15 |
| S70 | 4  | S63 AND ( polarization adj scrambler with polarizer with detector)         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:15 |
| S71 | 4  | ( polarization adj scrambler with polarizer with detector)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:16 |
| S72 | 0  | ( polarization adj scrambler with detector near control\$3)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:16 |
| S73 | 19 | ( polarizer with detector near control\$3)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:17 |

## EAST Search History

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|-----|------|--|--|----|----|------------------|
| S74 | 2    | ( polarizer Near detector near control\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:19 |
| S75 | 0    | (polariz\$3 with dispersion with mode )<br>And S71                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:20 |
| S76 | 6789 | 3AND (polariz\$3 with dispersion with mode )                                       | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:20 |
| S77 | 775  | S76 and (housing)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:29 |
| S78 | 165  | 398/107.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:37 |
| S79 | 1    | S78 and (polarizer with detector)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:31 |
| S80 | 1482 | (input ADJ light with polarizer with detector with control circuit with polarizer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:43 |

## EAST Search History

|     |          |   |  |    |    |                  |
|-----|----------|---|--|----|----|------------------|
| S81 | 39360761 | S80 (ad<"20030312")   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:43 |
| S82 | 24       | S80 AND (polarizer with detector with control )                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:49 |
| S83 | 131      | (WDM with optical with filter with monitor)                                     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/18 19:50 |
| S84 | 0        | 2004/0131363  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/19 12:13 |
| S85 | 2        | "20040131363"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/19 12:13 |
| S86 | 0        | (Polariz\$4 ADJ device with maximum and minimum with power with level with WDM) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 17:45 |
| S87 | 0        | (Polariz\$4 ADJ device with maximum and minimum with power adj level)           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 17:45 |

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|-----|------|--|--|----|----|------------------|
| S88 | 3271 | (maximum and minimum with power adj level)                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 17:46 |
| S89 | 2    | S88 AND (polariz\$4 with device with WDM AND demultiplex\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 17:47 |
| S90 | 2    | S88 AND (polariz\$4 with device with WDM)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 17:48 |
| S91 | 2    | (plurality with polarizer with path with WDM)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 17:49 |
| S92 | 5    | "6570659"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 18:18 |
| S93 | 18   | "6417948"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 18:23 |
| S94 | 15   | "6493474"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 18:24 |

## EAST Search History

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|----------|-------|---|--|----|----|------------------|
| S95      | 7     | "6542650"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 18:25 |
| S96      | 6     | "6643064"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 18:26 |
| S97      | 33829 | polarization with device  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 18:27 |
| S98      | 15    | S97 AND (Adjust with maximum and minimum with power)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 18:30 |
| S99      | 26    | (polariz\$4 with adjust with maximum and minimum power adj level with WDM with plurality with polariz\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 18:39 |
| S10<br>0 | 2     | (WDM NEAR1 Channel\$1 with polarization with maximum and minimum with power)                              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 18:40 |
| S10<br>1 | 141   | (WDM NEAR1 Channel\$1 with polarization )   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 18:58 |

## EAST Search History

|          |        |   |  |    |    |                  |
|----------|--------|---|--|----|----|------------------|
| S10<br>2 | 0      | (polarization with device With maximum and minimum Same power) NEAR2 (WDM with demultiplexer with pluralitywith polarizer with plurality with detector) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 19:00 |
| S10<br>3 | 111    | (WDM with demultiplexer with pluralitywith polarizer with plurality with detector)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 19:13 |
| S10<br>4 | 346    | 398/152.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 19:13 |
| S10<br>5 | 42     | S104 AND (plural\$3 with polariz\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 19:25 |
| S10<br>6 | 183    | S104 AND (plural\$3 with polariz\$4 and plural\$4 detector)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 19:56 |
| S10<br>7 | 861843 | S86 "100" "217"   | EPO;<br>DERWENT  | OR | ON | 2007/04/21 19:56 |
| S10<br>8 | 861843 | "100" "217"   | EPO;<br>DERWENT  | OR | ON | 2007/04/21 19:56 |
| S10<br>9 | 861843 | S86 "100" "217"   | EPO;<br>DERWENT  | OR | ON | 2007/04/21 19:56 |
| S11<br>0 | 183    | S104 AND (plural\$3 with polariz\$4 and plural\$4 detector)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 20:16 |

## EAST Search History

|          |     |   |  |    |    |                  |
|----------|-----|---|--|----|----|------------------|
| S11<br>1 | 0   | (polariz\$4 NEAR1 receiv\$4 NEAR2 Demultiplexer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 20:18 |
| S11<br>2 | 0   | (polariz\$4 WITH receiv\$4 NEAR2 Demultiplexer)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 20:18 |
| S11<br>3 | 1   | (polariz\$3 adj light with demultiplex\$3 with plurality with polarizer)                                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 20:20 |
| S11<br>4 | 0   | (polariz\$3 adj light with demultiplex\$3) NEAR2 (plurality with polariz\$3 and plurality with detector\$3) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 20:21 |
| S11<br>5 | 104 | (polariz\$3 adj light with demultiplex\$3)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 20:52 |
| S11<br>6 | 4   | (monitor\$3 ADJ device with polarization adj scrambler with DEMultiplexer)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 20:54 |
| S11<br>7 | 6   | (polarization adj scrambler with DEMultiplexer)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 20:54 |

## EAST Search History

|          |        |  |  |    |    |                  |
|----------|--------|--|--|----|----|------------------|
| S11<br>8 | 2      | (scrambler with DEMultiplexer with wdm and plurality with polariz\$3)    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 21:05 |
| S11<br>9 | 104    | (polariz\$4 adj light with demultiplex\$3)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 21:27 |
| S12<br>0 | 209741 | (polarization device with maximum and minimum with power)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 21:28 |
| S12<br>1 | 6      | S120 AND (polarization adj scrambler with demultiplexer)                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 21:30 |
| S12<br>2 | 2      | plurality with polarizer with detector with demultiplexer                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 21:31 |
| S12<br>3 | 2      | plural\$3 with polariz\$3 with detector with demultiplexer               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 21:31 |
| S12<br>4 | 2      | Demultiplexer with plurality with polarizer with plurality with detector | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 21:40 |

## EAST Search History

|          |       |   |  |    |    |                  |
|----------|-------|---|--|----|----|------------------|
| S12<br>5 | 6     | "6646727"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 21:57 |
| S12<br>6 | 67    | demultiplexer with polarizer  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:00 |
| S12<br>7 | 43666 | demultiplexer OR demux with polarizer   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:01 |
| S12<br>8 | 19654 | S127 AND (polariz\$3 with light with<br>DEmultiplexer OR demux with<br>maximum and minimum power)                                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:02 |
| S12<br>9 | 22842 | S128 (demux or demultiplexer with<br>plurality with polarizer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:03 |
| S13<br>0 | 22842 | S128 (demux or demultiplexer with<br>plurality with polarizer and plurality<br>with detector\$1)                                  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:03 |
| S13<br>1 | 22842 | S128 (demux or demultiplexer with<br>plurality with polarizer and plurality<br>with detector\$1 and polariz\$4 with<br>scrambler) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:03 |

## EAST Search History

|          |       |  |  |    |    |                  |
|----------|-------|--|--|----|----|------------------|
| S13<br>2 | 22842 | S131 (demux or demultiplexer with plurality with polarizer and plurality with detector\$1 and polariz\$4 with scrambler) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:04 |
| S13<br>3 | 22842 | S132 (demultiplexer with plurality with polarizer and polariz\$4 with scrambler)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:04 |
| S13<br>4 | 74    | S133 AND (polarization with scrambler)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:24 |
| S13<br>5 | 142   | 398/184.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:24 |
| S13<br>6 | 112   | 398/68.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:26 |
| S13<br>7 | 68    | S136 AND (demux or demultiplexer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:27 |
| S13<br>8 | 26    | S136 AND (demux or demultiplexer and polariz\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:30 |

## EAST Search History

|          |       |   |  |    |    |                  |
|----------|-------|---|--|----|----|------------------|
| S13<br>9 | 109   | 398/112.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:33 |
| S14<br>0 | 0     | (plural\$ with polariz\$4 WITH plural<br>WITH detector) NEAr2 (DEMUX OR<br>demultiplexer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:34 |
| S14<br>1 | 36    | (plural\$ with polariz\$4 WITH plural<br>WITH detector)                                   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:36 |
| S14<br>2 | 0     | (plural\$ with polariz\$4) NEAr2 ( plural<br>WITH detector)                               | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:37 |
| S14<br>3 | 13981 | (plural\$ with polariz\$4)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:37 |
| S14<br>4 | 26    | S143 AND (demux or demultiplexer<br>with polarization adj scrambler)                      | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:39 |
| S14<br>5 | 109   | 398/112.ccls.   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:41 |

## EAST Search History

|          |       |   |  |    |    |                  |
|----------|-------|---|--|----|----|------------------|
| S14<br>6 | 2     | polarization adj device with adjust with maximum and minimum with power                 | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:42 |
| S14<br>7 | 12    | polarization with adjust with maximum and minimum with power                            | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:43 |
| S14<br>8 | 315   | polarization with maximum and minimum with power  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 22:58 |
| S14<br>9 | 54920 | (Polariz\$3 With demultiplex OR Mux WITH plural\$3 polarizer)                           | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 23:00 |
| S15<br>0 | 54900 | (Polariz\$3 with light With demultiplex OR Mux WITH plural\$3 polarizer)                | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 23:00 |
| S15<br>1 | 54882 | (Polariz\$3 with scrambler with light With demultiplex OR Mux WITH plural\$3 polarizer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 23:01 |
| S15<br>2 | 16    | S151 and (polariza\$3 and device and maximum and minimum with power)                    | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 23:03 |

## EAST Search History

|          |      |  |  |    |    |                  |
|----------|------|--|--|----|----|------------------|
| S15<br>3 | 0    | S151 and (Demultiplexer and plural\$3 with polarizer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 23:03 |
| S15<br>4 | 584  | S151 and (WDM and Demultiplexer)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/21 23:04 |
| S15<br>5 | 5624 | Light with emission with control with circuit  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 17:01 |
| S15<br>6 | 2305 | S155 AND (light with emit\$4 with device)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 17:02 |
| S15<br>7 | 97   | S156 AND (Light with emit\$3 with device with measur\$3 with unit with control unit with LCD)              | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 17:03 |
| S15<br>8 | 1    | (polariz\$4 with device with change with polarization with receive\$1 with light with maximum and minimum) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:16 |
| S15<br>9 | 8    | (Polarization adj scrambler with maximum and minimum with power)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:23 |

## EAST Search History

|          |        |  |  |    |    |                  |
|----------|--------|--|--|----|----|------------------|
| S16<br>0 | 3      | "10800406"   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:23 |
| S16<br>1 | 4      | 10/800406  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:26 |
| S16<br>2 | 15     | "6,493,474"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:34 |
| S16<br>3 | 2      | "20010048070"  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:37 |
| S16<br>4 | 52311  | (polariz\$3 with device with first with demultiplex\$3 with second demultiplexer and beam splitter and detector)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:39 |
| S16<br>5 | 124    | S164 And (polarization adj scrambler)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:51 |
| S16<br>6 | 144462 | (polariz\$3 with beam with splitter with first demultiplexer and second multiplexer with first with photodetector with second photodetector) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:53 |

## EAST Search History

|          |       |  |  |    |    |                  |
|----------|-------|--|--|----|----|------------------|
| S16<br>7 | 31949 | S166 AND (polarization ADJ scrambler with beam with splitter with demultiplexer with second demultiplexer)                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:54 |
| S16<br>8 | 8757  | S167 AND (polarization beam splitter with demultiplexer with control with unit)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:55 |
| S16<br>9 | 4449  | S168 AND (Polarization device with maximum and minimum power and polarization scrambler with first with second with demultiplexer) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:56 |
| S17<br>0 | 2045  | S169 AND (polarization scrambler with beam splitter)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:57 |
| S17<br>1 | 1     | S170 AND (polarization NEAR1 scrambler with control with maximum and minimum with power with demultiplexer)                        | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:58 |
| S17<br>2 | 2045  | S170 AND ( demultiplexer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:59 |
| S17<br>3 | 1817  | S170 AND ( demultiplexer and beam splitter and detector)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 20:59 |

## EAST Search History

|          |      |  |  |    |    |                  |
|----------|------|--|--|----|----|------------------|
| S17<br>4 | 1654 | S173 AND (polarization with control<br>NEAR2 beam splitter with first<br>demultiplexer with second multiplexer)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 21:01 |
| S17<br>5 | 1169 | S174 and (first with demultiplexer and<br>second demultiplexer with first<br>detector\$1 and second detector\$1)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 21:03 |
| S17<br>6 | 1169 | S175 and (first with demultiplexer and<br>second demultiplexer with first<br>detector\$1 and second detector\$1<br>with maximum and minimum with<br>power) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 21:04 |
| S17<br>7 | 934  | S176 AND (@ad<"20031203")  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/23 21:06 |
| S17<br>8 | 346  | 398/152.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 17:34 |
| S17<br>9 | 120  | 398/205.ccls.  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 17:56 |
| S18<br>0 | 0    | (polariz\$3 NEAR2 Scrambler) with<br>(control\$3 and maximum and<br>minimum and signal)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 17:58 |

## EAST Search History

|          |    |   |  |    |    |                  |
|----------|----|---|--|----|----|------------------|
| S18<br>1 | 0  | (polariz\$3 ADJ Scrambler) with<br>(control\$3 and maximum and<br>minimum and signal) | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 17:59 |
| S18<br>2 | 18 | (polariz\$3 ADJ Scrambler)  | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 18:00 |
| S18<br>3 | 18 | (polariz\$3 ADJ Scrambler\$3)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 18:00 |
| S18<br>4 | 28 | (Polarization adj scrambler) WITH<br>(polarizer and optical detector and<br>contol)   | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 18:22 |
| S18<br>5 | 41 | ((polarizer NEAR2 receive\$3) SAME<br>(detector and control))                         | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 18:26 |
| S18<br>6 | 0  | (Polariz\$3 adj scrambler) Same<br>(control and detector)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 18:27 |
| S18<br>7 | 0  | (Polariz\$3 adj scrambler) with (control<br>and detector)                             | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 18:27 |

## EAST Search History

|          |   |               |  |    |    |                  |
|----------|---|---------------|--|----|----|------------------|
| S18<br>8 | 6 | "6480637"     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 18:38 |
| S18<br>9 | 2 | "6731389"     | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 19:57 |
| S19<br>0 | 2 | "20030156776" | US-PGPUB;<br>USPAT;<br>USOCR;<br>FPRS;<br>EPO; JPO;<br>DERWENT;<br>IBM_TDB | OR | ON | 2007/04/24 19:58 |